

## Registration Information

### Program Fee: \$ 25.00

Registration deadline: March 26, 2002

Register one of three ways.

#### On-line:

<http://nltn.org/registration.htm>

**Fax to:** 617-983-8037

#### Mail to: NLTN

305 South Street  
Boston, MA 02130-3597

Make checks payable to "APHL" or use the credit card form on the registration application.

No refunds after April 2, 2002.

Confirmation letters with directions to the program site will be sent.

Applicants will be notified if course is filled.

### Information and Special Needs

In compliance with the Americans with Disabilities Act, individuals needing special accommodations should notify the NLTN office at least two weeks prior to the workshop. For more information please call: 1-800-536-NLTN or 617-983-6285.

### Continuing Education Credit

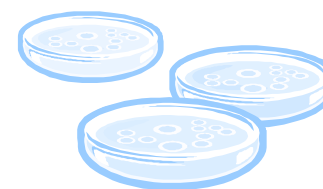
Continuing education credit will be offered for various professions\* based on 3 hours of instruction.

*\*Laboratorian CEUs*

*Please Copy & Post.*

Unit 51  
MDHMH  
PO Box 2355  
Baltimore, MD 21203

# Resistance in the 20th Century: What Have We Learned?



**April 9, 2002**  
**Arnold, MD**

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*Sponsored by*

Laboratories Administration  
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# Resistance in the 20th Century: What have we learned?

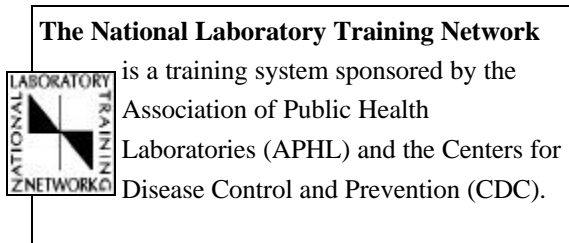
## Objectives

*Upon completion of the course, participants should be able to:*

- Name the major classes of antimicrobial agents.
- Describe mechanisms of bacterial resistance.
- Describe laboratory methods available for the detection of emerging patterns of resistance.
- Cite the NCCLS performance standards for detecting resistance.

## Who Should Attend

This program is designed for laboratorians, infection control specialists, pharmacists and clinicians.



## Agenda

- 12:00 pm Registration  
1:00 pm Program
- \* Historical development of antimicrobial agents
  - \* Activity and spectra of antimicrobials
  - \* Mechanisms of resistance
  - \* Resistance testing and reporting of ESBLs, VRE, and MRSA
  - \* NCCLS guidelines for susceptibility testing
- 4:00 pm Evaluations & Assessment  
4:15 pm Adjournment



## Location

Ann Arundel Community College  
Cade Building, Room 219  
Arnold, Maryland

Directions will be included with confirmation letters.

## Faculty

### Harvey Holmes, Ph.D.

Centers for Disease Control and Prevention, National Center for Infectious Diseases

Dr. Holmes is Chief of the Diagnostic Microbiology Section and responsible for the Staphylococcus, Anaerobe, Enteric, and Molecular Reference Laboratories and the Staphylococcus Toxin Testing (Bioterrorism) Laboratory. From 1990 to 1998, Dr. Holmes served as the Medical Director of Microbiology in a community-based hospital in Michigan. He earned a doctorate in microbiology from Oregon State University and completed a residency program in Public Health and Medical Laboratory Medicine at CDC.

## Program Coordinators

Lorraine Kelly, MT (ASCP)  
Training Coordinator  
Maryland DHMH  
Baltimore, Maryland

Shoolah Escott, MS, MT (ASCP)  
CDC Training Advisor  
NLTN Office  
Boston, MA